

(11) Publication number:

3203517 A

Generated Document.

PATENT ABSTRACTS OF JAPAN

(21) Application number: **01343163**

(51) Intl. Cl.: **H02H 3/20** H02H 7/09

(22) Application date: **28.12.89**

(30) Priority:

(43) Date of application publication:

(84) Designated contracting states:

05.09.91

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(54) SOURCE VOLTAGE JUDGING CIRCUIT

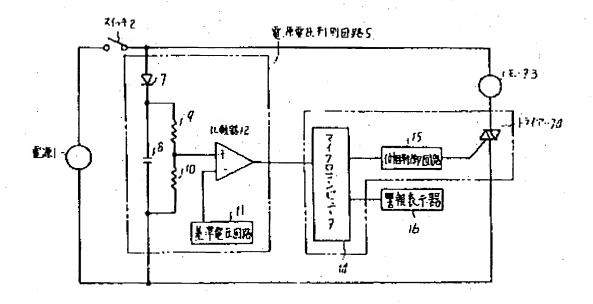
(57) Abstract:

PURPOSE: To protect apparatus by producing an output for interrupting a power supply when an input voltage exceeds a safety reference voltage of a motor or other electric apparatus.

CONSTITUTION: A diode 7 in a source voltage judging circuit 5 rectifies the voltage of a power supply 1 and charges a capacitor 8.

voltage of the power supply 1. for example, and indicates abnormal alarm indicator 16 comprising a LED, supply for a motor 3. At the same according to the positive voltage thus operation of a phase control circuit 15 output voltage which is then comparator 12. When the divided the other input terminal of the time, the microcomputer 14 lights an interrupting a triac 4 and the power transmitted to a microcomputer 14. voltage exceeds the reference voltage, comparator 12 where it is compared resistors 9, 10 and provided to a The charging voltage is divided by The microcomputer 14 interrupts the the comparator 12 produces a positive from a reference voltage circuit 11 to with a reference voltage provided

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